





From our Team...

"I am thankful to work for a company of highly motivated, intelligent people who strive to provide valuable services and products to researchers and companies that contribute to the health and well-being of the community and the planet." - Ryan

"I am grateful to be able to continuously grow and develop my skills and knowledge, in the field of life sciences, from the collective support of our MJS BioLynx Team." - Tom

"Remember to be grateful for yourself. Don't sit down at the holiday table without saying thanks to the person who can do the most for you at work, and in life...that's you." - Linda

"I am grateful that I can spend my week days working with such a smart, considerate, and open-minded team with so much diversity in its ideas and interests." - Steve

"I am grateful for the peace, harmony, laughter, and love in our work environment. It's a most wonderful energy that can be felt the minute I walk through the front doors. Truly a home away from home." - Cherin

Your MJS BioLynx Support Team











Ryan Kingston





Please share with us something you are grateful for and how we can help your research in 2023. Fill out the survey by Nov. 30th using the QR code for a chance to win 1 of 10 pairs of Lynx socks!



Purchase 1 Product and Get 50% OFF a Second Product You've Never Tried Before!

Are there more Vector products you would like to try? Each time you purchase a Vector product between now and the end of November 2022, receive a 50% discount on a Vector product you've never tried before. Please contact us for assistance in choosing your new product.

Reference promotion code **VECT22NEW** at time of order. Valid until November 30th, 2022.

50% discount is applicable to the list price and can only be applied to a product that has not been previously purchased by the customer.

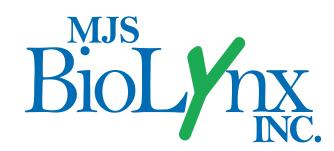
Vector Laboratories offers a full range of products for:

- Immunohistochemistry / Immunocytochemistry
- Immunofluorescence
- Nucleic Acid Labeling and Detection

- Enzyme Substrates
- Lectins and Glycobiology Reagents
- Antibodies

Visit biolynx.ca/vector for more information.





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Immunohistochemistry Selection Guide



1

Choose Primary Antibody

- Specific for antigen of interest
- Consider tissue species and preparation (fixation)
- Consider antigen retrieval requirements



VECTABOND® Reagent (Tissue Section Adhesive)

Blocking Reagents

- Choices determined by the options selected in Steps 1-4
- BLOXALL® Endogenous
- HRP and AP Blocking Solution
 Avidin/Biotin Blocking Kit
- (if using VECTASTAIN® ABC system)

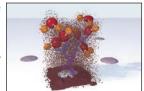
 Normal Sera
 (from the species of
- secondary antibody)

 M.O.M.® Mouse Ig Blocking
 Reagent
- Animal-Free Blocker® and Diluent
- BSA
- Casein Solution



Choose Enzyme Substrate

- Colou
- Compatibility with other system reagents (counterstains, mounting media and other substrates for multiplexing)



SECONDARY DETECTION SYSTEMS



Choose Secondary Antibody and Tertiary Detection System

- Choose HRP or AP enzyme system
- Consider sensitivity requirements
- Consider species of primary antibody
- · Consider tissue species



One Step

Convenient. Consistent. Ready-to-use. Non-Biotin based.

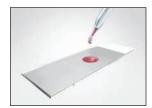
- ImmPRESS® Polymer Reagents
- ImmPRESS PLUS Polymer Kits





Choose Nuclear Counterstain

- Blue, green, or red
- Compatibility with substrate, mounting media







One Step

Dual Label - two antigen detection. Convenient. Consistent. Ready-to-use. Non-Biotin based.

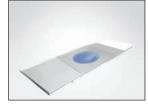
• ImmPRESS Duet Double Staining HRP/AP Polymer Detection Kit

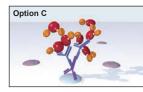




Choose Mounting Media

- Aqueous vs. non-aqueous
- Compatibility with substrate(s) and counterstain





Two Step

Economical. Biotin-based.

Biotinylated secondary

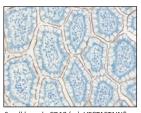
antibody + ABC Complex (VECTASTAIN Elite® ABC Kits, VECTASTAIN Elite ABC PLUS Kit)



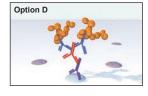


Visualize

Brightfield microscope



Small bowel: CD10 (m), VECTASTAIN® Elite® ABC Kit, ImmPACT™ DAB HRP Substrate (brown). Hematoxylin QS counterstain (blue).



Two Step

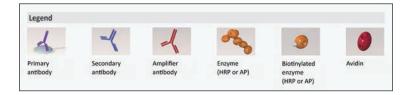
Highest sensitivity.
Non-biotin based.

 ImmPRESS Excel Amplified Polymer Staining Systems



Please contact **tech@biolynx.ca** to request a copy of the Immunohistochemistry Guide.

Literature code VE20



Immunoflorescence Selection Guide



Follow the simple steps below to choose the most appropriate labeling and detection solution for your experiment.



Choose Primary Antibody

- Specific for antigen of interest
- · Consider tissue species and preparation (fixation)
- · Consider antigen retrieval requirements



VECTABOND® Reagent (Tissue Section Adhesive)

Blocking Reagents

- Choices determined by the options selected in Steps 1-2
- Streptavidin/Biotin Blocking Kit (if using biotin-streptavidin system)
- Avidin/Biotin Blocking Kit
- Normal Sera (from the species of secondary antibody)
 M.O.M.® (Mouse on Mouse)
- Blocking Reagent R.T.U. Animal-Free Blocker®
- and Diluent BSA
- Casein Solution



Choose Signal Amplification with Biotin-based Systems (Step 2, Option C)

· Multiple rounds of amplification possible (with biotin-based systems)



SECONDARY DETECTION SYSTEMS



Choose Secondary Antibody and Tertiary Detection System

- Choose fluorophore based on wavelengths available in microscope
- Fluorophore-conjugated secondary antibody or biotinylated secondary antibody
- Consider sensitivity requirements
- Consider species of primary antibody
- Consider tissue species



One Step

Single-label. Fast. Convenient.

- · Fluorophore-conjugated secondary antibodies
- VectaFluor™ R.T.U. DyLight® Labeled Secondary Antibodies





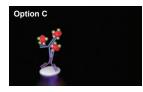


One Step

Dual-label two-antigen detection. Fast, Convienient

 VectaFluor Duet Immunofluorescence Double Labeling Kits





Two Step

Biotin-based.

- Biotinylated secondary antibody and fluorescent avidin or streptavidin
- See Step 3 for additional amplifications





Highest sensitivity. Non-hiotin based

VectaFluor Excel Amplified Fluorescent Staining System (Amplifier Antibody + fluorescent tertiary antibody)



Reduce Autofluorescence from Aldehyde Fixation

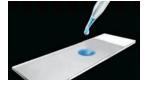
•TrueVIEW™ Autofluorescence Quenching Kit with or without DAPI counterstain.





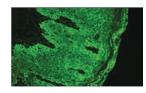
Choose Mounting Media with or without a Counterstain

 VECTASHIELD® Antifade Mounting Media, with or without counterstain



Visualize

- Fluorescence microscope
- View using appropriate excitation/emission filters



Tonsil (FFPE): Cytokeratin detected with VectaFluor Anti-Rabbit IgG, DvLiaht 488 (areen). Autofluorescence quenched with TrueVIEW Quenching and mounted with VECTASHIELD Vibrance. Antifade mountina medium

Legend



conjugated





streptavidin







avidin /

Quenching Action

We Have Your Transfection Needs Covered with Mirus and FuGENE®!



FuGENE® offers a full portfolio of transfection reagents that span applications across DNA, RNA and CRISPR/Cas9 delivery, into a wide range of biologically relevant cell



Mirus offers transfection reagents for chemical and/or electroporation delivery of DNA, RNA, siRNA, miRNA and other nucleic acids.



Product Number	Description	Pkg Size
FGF61000	FuGENE® 6	1 mL
FGF65000	FuGENE® 6 (5x1mL)	5 mL

FuGENE® 6 is a multi-component FuGENE® HD is a next-generalipid-based transfection reagent tion, 100% synthetic, multi-comthat allows for the efficient delivery of all sizes of DNA into a broad range of cell types with extremely low cytotoxicity.

- Reliable Transfection for Common Cells Lines
- · Extremely Low Cytotoxicity



Product Number	Description	Pkg Size
FGHD1000	FuGENE® HD	1 mL
FGHD5000	FuGENE® HD (5x1mL)	5 mL

ponent transfection reagent designed for the delivery of DNA into more challenging eukaryotic and insect cell lines.

- Enhanced Transfections for Workhorse & Challenging Cell Lines
- · Maximizes Protein Production and Virus Production Yields



TransIT-VirusGEN® Transfection Reagent and Kits

Our most flexible reagent for recombinant adeno-associated virus and lentivirus production.

Product Number	Description	Pkg Size
MIR6703	TransIT-VirusGEN® Transfection Reagent	0.3 mL
MIR6704	TransIT-VirusGEN® Transfection Reagent	0.75 mL
MIR6700	TransIT-VirusGEN® Transfection Reagent	1.5 mL
MIR6705	TransIT-VirusGEN® Transfection Reagent	5 x 1.5 mL
MIR6706	TransIT-VirusGEN® Transfection Reagent	10 x 1.5 mL
MIR6720	TransIT-VirusGEN® Transfection Reagent	30 mL

Ingenio® Electroporation Products

High efficiency electroporation using any instrument.

Product Number	Description	Pkg Size
MIR2304	Ingenio® Electroporation Products	25 reactions
MIR2300	Ingenio® Electroporation Products	50 reactions
MIR2305	Ingenio® Electroporation Products	100 reactions

Product Number	Description	Pkg Size
FGSI1000	FuGENE® SI	1 mL
FGSI5000	FuGENE® SI (5x1mL)	5 mL

FuGENE® SI, for high-efficiency delivery of siRNAs and other short RNAs into routine & difficult-totransfect eukaryotic cells.

- Delivery of siRNAs, miRNAs and Similar Short RNA Molecules
- Superior Knockdown Efficiency with Lower Amounts of siRNA



Product Number	Description	Pkg Size
FG4K1000	FuGENE® 4K	1 mL
FG4K5000	FuGENE® 4K (5x1mL)	5 mL

FuGENE® 4K is FuGENE's newest and most advanced, 100% synthetic, multi-component transfection reagent designed for improved delivery of DNA into challenging and routine mammalian cell lines.

- · Maximizes Transfection Efficiencies in a Broad Range of Mammalian Cells
- · Extremely Gentle on Cells, with Minimal-To-No Cytotoxicity

TransIT-X2® Dynamic Delivery System

A versatile transfection reagent for the delivery of plasmid DNA, siRNA/miRNA and CRISPR/Cas9 components to a wide array of mammalian cell types.

Product Number	Description	Pkg Size
MIR2304	TransIT®-LT1 Transfection Reagent	0.4 mL
MIR2300	TransIT®-LT1 Transfection Reagent	1 mL
MIR2305	TransIT®-LT1 Transfection Reagent	5 x 1 mL
MIR2306	TransIT®-LT1 Transfection Reagent	10 x 1 mL

TransIT®-LT1 Transfection Reagent

A broad spectrum, low toxicity, DNA transfection reagent.

Product Number	Description	Pkg Size
MIR6003	TransIT-X2® Dynamic Delivery System	0.3 mL
MIR6004	TransIT-X2® Dynamic Delivery System	0.75 mL
MIR6000	TransIT-X2® Dynamic Delivery System	1.5 mL
MIR6005	TransIT-X2® Dynamic Delivery System	5 x 1.5 mL
MIR6006	TransIT-X2® Dynamic Delivery System	10 x 1.5 mL

...And Many More, Please Inquire.



New CUT&RUN Bundle Kit Promotion!

From now until December 31st, 2022...

Receive a 15% Discount When You Purchase the New CUT&RUN Bundle Kit!



Promotion Code EPBUNDLE22

Cannot be combined with other offers or discounts.





CUTANA™ CUT&RUN Assays for Ultra-Sensitive Genomic Mapping

<u>C</u>leavage <u>U</u>nder <u>Targets & Release <u>U</u>sing <u>N</u>uclease (CUT&RUN) is a breakthrough method for genomic mapping of protein-DNA interactions and histone post-translational modifications (PTMs).</u>

For new users, the CUTANA™ CUT&RUN platform provides everything you need to get started, including user-friendly kits, protocols, validated antibodies, and more.

CUTANA™ CUT&RUN Profiles Diverse Targets

CUT&RUN enables investigation of a wide variety of target classes, including transcription factors, chromatin-interacting proteins, and histone modifications. CUT&RUN also provides access to challenging targets like chromatin remodelers.

Advantages

- Save 10x in sequencing costs (vs. ChIP-seq)
- Use fewer cells (down to 5k)
- · Works with a diversity of targets & sample types
- · User-friendly workflow with reproducible results

New Users: Where to Start?



CUTANA™ CUT&RUN AND LIBRARY PREP KITS

- Together, EpiCypher's CUT&RUN and Library Prep Kits offer an all-inclusive workflow from cells to sequencing.
- Compatible with fresh, frozen, or crosslinked cells or nuclei.
- We recommend these kits to start setting up CUT&RUN in your laboratory!



- Design and execute custom CUT&RUN experiments.
- Individual components include ConA beads, pAG-MNase, E. coli spike-in DNA, a DNA purification kit, and more.
- All reagents tested and validated for our optimized CUTANA™ CUT&RUN workflow.



- Available for various chromatin targets including histone PTMs, transcription factors, and chromatin remodelers.
- Lot-validated by EpiCypher scientists for robust performance in CUTANA™ CUT&RUN assays.
- New targets released regularly!

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Micronic offers a complete line of sample storage tubes that fit in the 96-well, 48-well or 24-well ANSI/SLAS standard rack format. The comprehensive range includes tubes with volumes ranging from 0.30mL to 6.00mL. The tubes are available non-coded, alphanumeric coded or with a unique 2D Data-Matrix code.

0.40mL TUBES EXTERNAL THREAD Efficient storage of low volumes of liquid samples. This tube has a massive working volume of 0.40mL (+21°C) with Screw Cap. 1.40mL TUBES ROUND BOTTOM Proven to be an industry standard solution for many sample storage applications. Working volume (+21°C): 1.14mL with Push Cap. 3.00mL TUBES EXTERNAL THREAD H (48-WELL FORMAT) ANSI/SLAS format racks, standard cryo boxes, automated stores and liquid handlers. Working v (+21°C): 2.90mL with Screw Cap. 3.00mL TUBES EXTERNAL THREAD H (48-WELL FORMAT) ANSI/SLAS format racks, standard cryo boxes, automated stores and liquid handlers. Working v (+21°C): 2.90mL with Screw Cap. 3.00mL TUBES EXTERNAL THREAD H 4.80mL TUBES EXTERNAL THREAD H 5.00mL TUBES EXTERNAL TH
0.50mL TUBES INTERNAL THREAD = 1.40mL TUBES INTERNAL THREAD 3.50mL TISSUE TUBES EXTERNAL TH
Save between 35% - 50% of your freezer space. Working volume (+21°C): 0.21mL with Screw Cap. Provided with a code surface that cannot be separated from the tube. Working volume with Screw Cap (+21°C): 1.04mL (V-bottom) or 1.10mL (U-bottom). The tubes can also be used for secure transportation. Working volume (+21°C): 3.35mL with Screw Cap.
0.75mL TUBES INTERNAL THREAD The 0.75mL tubes enable you to store your valuable samples in a safe and traceable way. Available in a push cap and screw cap version. 1.40mL TUBES EXTERNAL THREAD Cryogenic temperatures, the 1.40ml tubes with external thread have thick tube walls. Working volume (+21°C): 1.11mL with Screw Cap. 3.00mL TUBES EXTERNAL THREAD (24-WELL FORMAT) Tube walls enable visual checking, while the 4 discoding concepts guarantee sample traceability. Visual coding cod
0.75mL TUBES EXTERNAL THREAD The 0.75mL tubes with external thread are provided with a triple start thread. Working volume (+21°C): 0.60mL with Screw Cap. 1.40mL TUBES EXTERNAL THREAD HYBRID The transparent tube walls enable easy visual checking, while the 4 coding concepts guarantee sample traceability. Working volume (+21°C): 1.20mL with Screw Cap. 4.00mL TUBES INTERNAL THREAD Ideal for storing or transporting larger volumes or liquid or solid biological samples. Working volume (+21°C): 2.70mL with Screw Cap.
0.75mL TUBES EXTERNAL THREAD HYBRID Automated and visual sample identification and guarantees the complete traceability of samples. Working volume (+21°C): 0.62mL with Screw Cap. 1.50mL TUBES EXTERNAL THREAD HYBRID The tubes are ideal for storing fresh frozen tissue samples. Working volume (+21°C): 1.45mL with Screw Cap. 4.00mL TUBES EXTERNAL THREAD Ideal for solid or large volumes of liquid samples Working volume (+21°C): 3.40ml with Screw Cap.
0.80mL TUBES EXTERNAL THREAD The 0.80mL tube offers you the best volume to height ratio in a 96-well format with a working volume(+21°C) of 0.75mL with a Screw Cap. 2.00mL TUBES INTERNAL THREAD High sample storage capacity and absolute sample traceability in an industry standard 96-well configuration. Working volume (+21°C): 1.49mL with Screw Cap. 6.00mL TUBES INTERNAL THREAD Large working volume of 4.80mL (+21°C) with Screw Cap. These tubes are available non-code or with an unique 2D Data Matrix code.
1.00mL TISSUE TUBES EXTERNAL THREAD Specially designed for the storage of your valuable fresh frozen tissue. Working volume (+21°C): 0.85mL with Screw Cap. 2.00mL TUBES EXTERNAL THREAD High volume samples in a space-efficient 96-well format. Working volume (+21°C): 1.55mL with Screw Cap. 6.00mL TUBES EXTERNAL THREAD H Guarantee absolute sample traceability with 4 coding concepts and optimize working volume (6.00mL at +21°C with Screw Cap).
1.10mL TUBES INTERNAL THREAD Micronic work equally well with either screw caps or push caps. Working volume (+21°C): 0.80mL with Screw Cap. 2.50mL TUBES ROUND BOTTOM Highest net working volume on 96-format: 2.50mL per individual tube (working volume at +21°C). TUBESTRIP-8 & TUBES FOR LIGHT SENSITIVE SAMPLES Storing up to 8 samples in a linked row and has ing volume (+21°C) of 1.20mL. The amber stora uniquely safeguards light sensitive sample.

HAMILT®N®

STORAGE Re- Introducing Hamilton Storage Labware



Hamilton Storage line of tubes provides hassle-free operation and stability in your automated workflows increasing storage efficiency and saving your lab time and money.

- Optimized for Hamilton automated workflows
- Compatible with standard-density and high-density Hamilton Storage Rack Ware[®]
- Integrates with third-party sample storage systems, liquid handling systems, and decapping devices



Hamilton Tubes

All tubes are capped, have a 2D bottom barcode, 0.3mL, 0.6mL, 1.0mL, internal thread and are available in sterile or non-sterile and in bulk or pre-racked options. 2.0mL tubes are also available in bulk with internal or external threads.



January 2023 - March 31st, 2023 The PIZZA parties are back!

...get one before they're gone!







Long-life racks with ergonomic features

Every tip wafer laser-marked for easy identification

Refills nest for easy storage and space savings





✓ No interference with samples

Retains integrity after autoclaving



Proprietary UHDPE filters block >99% of aerosolsTip info is laser marked on each wafer



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Original TipOne® Tips

	Racks	Refills	Starter System Stacks		Bulk
	10 racks of 96 (960 tips)	10 wafers of 96 (960 tips)	10 racks and 20 refill wafers (2880 tips)	5 layers of 192 (960 tips)	(1000 tips)
10/20 μL XL, graduated	US11103800	US11103700	US11103500	-	US11103000
10 μL graduated	US11113800	US11113700	US11113500	US11113200	US11113000
200 μL beveled	US11111800	US11111700	US11111500	US11111200	US11111000
200 µL Profile Point™, graduated	US11101800	US11101700	US11101500	US11101200	US11101000
300 μL graduated	US11109800	US11109700	US11109500	_	US11109000
1000 μL graduated, blue	US11112821	US11112721	US11112521	_	US11112021

TipOne® RPT Ultra Low Retention Tips

10/20 μL XL, graduated	US11603800	US11603700	US11603500	-	-
10 μL graduated	US11613800	US11613700	US11613500	_	_
200 μL beveled	US11611800	US11611700	US11611500	-	-
200 µL Profile Point [™] , graduated	US11631800	US11631700	US11631500	-	-
300 μL graduated	US11609800	US11609700	US11609500	-	-
1250 μL XL, graduated	US11611820	US11611720	US11611520	_	_

TipOne® Sterile Filter Tips

	TipOne [®]			TipOne [®] RPT			
	Racks	Refills	Starter System	Racks	Refills	Starter System	
	10 racks of 96 (960 tips)	10 wafers of 96 (960 tips)	10 racks and 10 refill wafers (1920 tips)	10 racks of 96 (960 tips)	10 wafers of 96 (960 tips)	10 racks and 10 refill wafers (1920 tips)	
10/20 μL XL, graduated	US11203810	US11203710	US11203510	US11803810	US11803710	US11803510	
10 μL graduated	US11213810	US11212710	US11212510	US11813810	US11813710	US11813510	
20 µL Profile Point™, graduated	US11231810	US11231710	US11231510	US11831810	US11831710	US11831510	
50 μL beveled	US11202810	US11202710	US11202510	-	_	_	
100 μL beveled	US11201840	US11201740	US11201540	US11801840	US11801740	US11801540	
100 µL Profile Point™, graduated	US11231840	US11231740	US11231540	US11831840	US11831740	US11831540	
200 μL graduated	US11208810	US11208710	US11208510	US11808810	US11808710	US11808510	
300 μL graduated	US11209810	US11209710	US11209510	US11809810	US11809710	US11809510	
1000 μL XL, graduated	US11221830	US11221730	_	US11821830	US11821730	US11821530	

More options, sizes and sterile tips are available. Contact us for more information or to request a sample.

10/20 μL XL tips fit most ultra-micro pipettes and ErgoOne® 20 μL with ultra-micro tip cone. They are 9.5 mm longer than 10 μL tips for easier use with 1.5 ml tubes. 1250 μL XL tips fit most 1000 μL pipettes. Choose beveled 200 μL tips for Eppendorf® Research® plus 100 μL multi channels.

Contact for pricing

MJS BioLynx Inc. is proud to represent the following companies in Canada ...

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- Immunohistochemistry
- Immunofluorescence
- Glycobiology
- Transfection & Electroporation
- 3D Cell Co-culture
- 3D Laboratory Services
- Density Gradient Media
- · Cell Culture Media
- Cell Migration Assays
- Exosome Purification
- PCR, qPCR & PCR Clean Up Reagents

a biopply applied biomedical concepts























Antibodies and Proteins

- Enzymes & Antibodies
- Nucleosomes & Histones (Epigenetics)
- Lipids and Fatty Acids
- Recombinant Proteins
- ELISAs
- Protein Expression Reagents
- Cytokines















Labware & Equipment

- Pipette Tips
- Semi Automated Pipettors
- Freezer Racks
- Tubes
- Histology Labware
- Sample Collection and Management
- Sample Storage
- Microwell Plates
- Water Purification Systems
- Benchtop Equipment
- Tube Labeling and Thawing
- qPCR































Microbiology

- Endotoxin Testing
- · Glucan Products
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- Microscope Slides, Stains and Accessories
- Sterilization Products









+ More

- Detergents
- Protein Purification & Assay Reagents
- Chromatography





